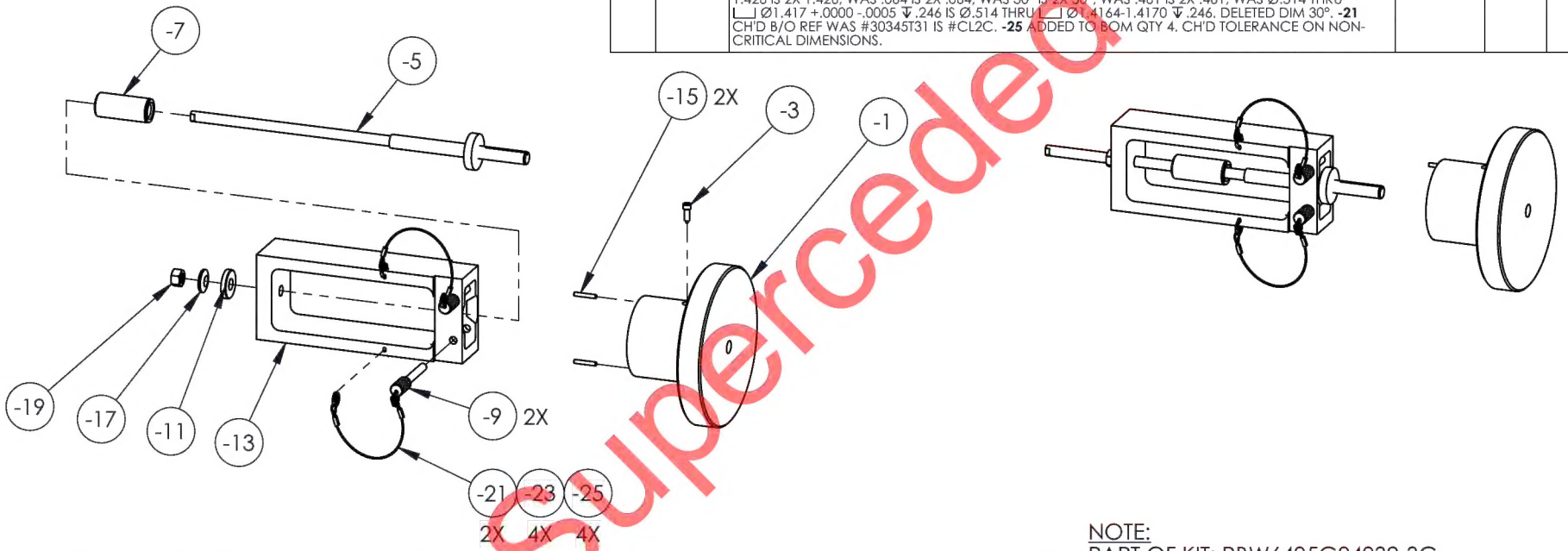
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UNDER REVIEW

URF 19-580 19.02.13 (SAD)

REVISIONS

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D MATERIAL -5 FROM 4140 TO 4140 Q&T & -9 FROM 4140 TO 4140 Q&T G&P, CH'D -1 HOLE FROM Ø.625 +.001 -.000, CH'D -5 ROD DIAMETER FROM Ø.630 TO Ø.625 +.000 -.001 & ADDED MISSING DIAMETER, CH'D -11 Ø1.417 O.D. TO Ø1.417 +.0005 -.0000, ADDED SECTION B-B TO DETAIL A & CH'D 3.150 DIMENSION TO 3.149 PER G.E.	1/19/2011	RJC	RW
2		ADDED ±.002 TOLERANCE TO Ø.669 -5, ADDED ±.002 TOLERANCE TO Ø.674 -7 PER G.E.	5/25/2011	RJC	RW
3		CH'D TOLERANCE ON NON-CRITICAL PARTS. **-1** CH'D DIMS WAS 2X LIMITS Ø.1870 TO .1875 ↧.542 ON Ø3.454 B.C. IS 2X LIMITS Ø.1869 TO .1874 ↧.54 ON Ø3.454 B.C., WAS 1/4-28 THRU ⌴ Ø.452 ↧1.161 IS 1/4-28 THRU ⌴ Ø.433 ↧1.16. **-3** ADDED FINISH CAD PLATE YELLOW. **-5** CH'D B/O INFO WAS Ø1-7/8 X 17-7/16 IS Ø1-7/8 X 17-1/2. **-9** CH'D DIM WAS Ø.625 IS (Ø.625). **-13** CH'D DIMS WAS .483 IS .778, WAS 1.437 IS 1.426. **-13** CH'D B/O INFO WAS 3 X 4-1/2 X 10-11/16 IS 3 X 4-1/2 X 10-3/4. **-17** ADDED B/O INFO 17/32 I.D. X 1-1/8 O.D.	6/10/2014	DPD	GE
4	15-0363	UPDATED TO NEW DRAFTING STANDARDS. **-1** CH'D DIMS WAS 2X LIMITS Ø.1870 TO .1875 ↧.542 ON Ø3.454 B.C. IS 2X LIMITS Ø.1869 TO .1874 ↧.54 ON Ø3.454 B.C., WAS 1/4-28 THRU ⌴ Ø.452 ↧1.161 IS 1/4-28 THRU ⌴ Ø.433 ↧1.16. CH'D ENGRAVE NOTE WAS ENGRAVE "RBW6405G04832-3G ASSY G04132-3G" IS ENGRAVE T/N. **-5** CH'D DIMS WAS Ø.625 +.000 -.001 IS Ø.6231-.6238, WAS .228 IS 2X .228, WAS 17.315 IS (17.315). CH'D ENGRAVE NOTE WAS ENGRAVE "RBW6405G04652-3G ASSY G04132-3G" IS ENGRAVE T/N. **-9** CH'D DIM WAS (Ø.625) IS Ø.63. CH'D MAT'L WAS 4140 Q&T G&P IS 4140 Q&T/4142 Q&T. **-11** CH'D DIM WAS Ø1.4170 +.0005 -.0000 IS Ø1.4173-1.4177. **-13** REVISED DETAIL VIEWS. CH'D DIMS WAS 2X 1.024 IS 1.024, WAS (2X .591) IS .591, WAS .778 IS 2X .778, WAS 1.426 IS 2X 1.426, WAS .064 IS 2X .064, WAS 30° IS 2X 30°, WAS .461 IS 2X .461, WAS Ø.514 THRU ⌴ Ø1.417 +.0000 -.0005 ↧.246 IS Ø.514 THRU ⌴ Ø1.4164-1.4170 ↧.246. DELETED DIM 30°. **-21** CH'D B/O REF WAS #30345T31 IS #CL2C. **-25** ADDED TO BOM QTY 4. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	11/20/2015	DPD	JAG



Superceded

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	HUB	6061		2
			-3	1	SOCKET HEAD CAP SCREW	STEEL	1/4-28 X 1 (MCMASTER-CARR #92562A596) MODIFIED	3
			-5	1	ROD	4140 Q&T/4142 Q&T		4
			-7	1	SLIDER	4140 Q&T/4142 Q&T		5
			-9	2	PIN	4140 Q&T/4140 Q&T		6
			-11	1	INSERT	4140/4142		7
			-13	1	FRAME	6061		8
		B/O	-15	2	DOWEL PIN	STEEL	Ø3/16 X 1-1/8 (MCMASTER-CARR #98381A511)	1
		B/O	-17	1	SPHERICAL WASHER	STEEL	Ø17/32 I.D. X Ø1-1/8 O.D. (MCMASTER-CARR #91131A071)	1
		B/O	-19	1	HEX NUT	STEEL	1/2-20, GRADE 8 (MCMASTER-CARR #94191A550)	1
		B/O	-21	2	LANYARD	COATED STEEL	Ø1/16 X 8 (CARR LANE #CL2C)	1
		B/O	-23	4	SPLIT RING	S.S.	Ø11/16 O.D. X Ø9/16 I.D. X 1/8 (MCMASTER-CARR #90905A652)	1
		B/O	-25	4	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	1

NOTE:
PART OF KIT: RBW6405G04032-3G.

DART AEROSPACE

TITLE: T/R DUPLEX BEARING INSTL.

DWG NO. RBW6405G04132-3G REV 4

MAT'L

DRAWN BY: CLOUGH

APPROVED D Weil

HEAT TREAT

FINISH

SPEC

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

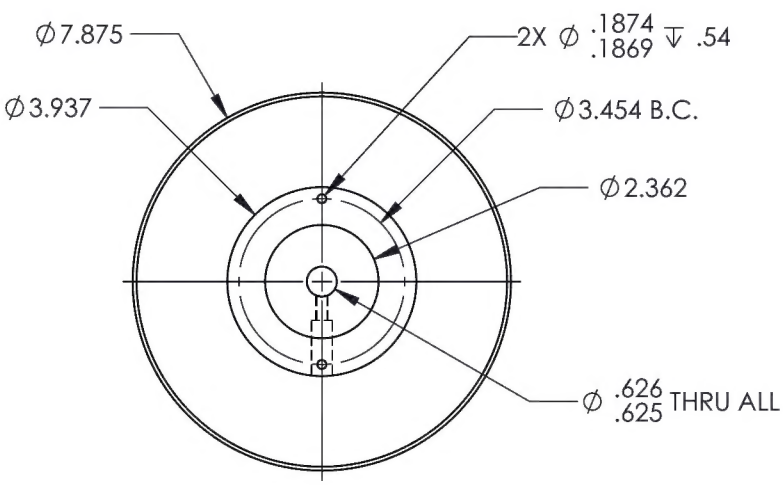
USED ON MODEL: AGUSTA AW139

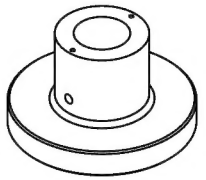
SCALE 1:8 DATE 11/15/2010 SHEET 1 OF 8

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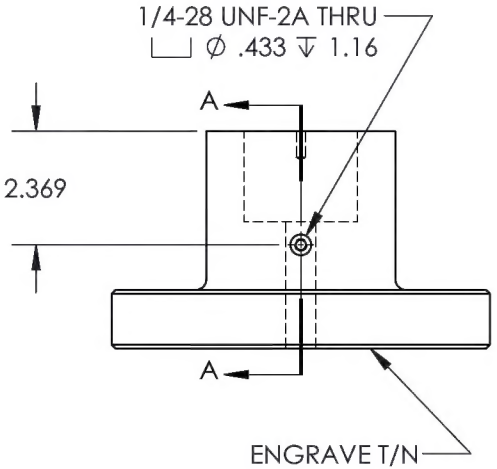
REVISIONS

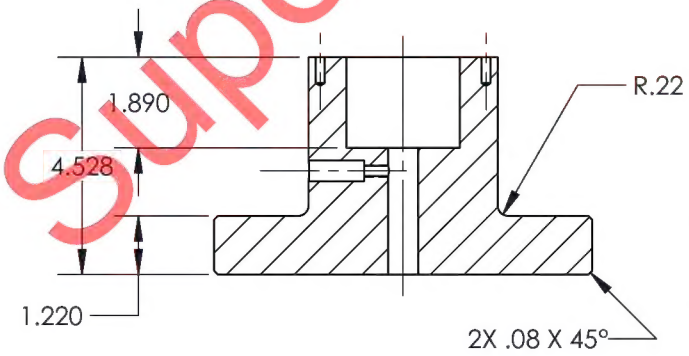
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -1 HOLE FROM Ø.625 +.001 -.000.	1/19/2011	RJC	RW
2		**-1** CH'D DIMS WAS 2X LIMITS Ø.1870 TO .1875 ↧ .542 ON Ø3.454 B.C. IS 2X LIMITS Ø.1869 TO .1874 ↧ .54 ON Ø3.454 B.C., WAS 1/4-28 THRU ⌴ Ø.452 ↧ 1.161 IS 1/4-28 THRU ⌴ Ø.433 ↧ 1.16. CH'D ENGRAVE NOTE WAS ENGRAVE "RBW6405G04832-3G ASSY G04132-3G" IS ENGRAVE T/N.	6/10/2014	DPD	GE





Superceded





SECTION A-A

UNDER REVIEW

URF 19-580 19.02.13 (SAD)

DART AEROSPACE

TITLE: T/R DUPLEX BEARING INSTL.

DWG NO. RBW6405G04132-3G-1 REV 4

MAT'L 6061

DRAWN BY: CLOUGH

APPROVED D Weil

HEAT TREAT

FINISH CLEAR ANODIZE

SPEC MIL-A-8625, TYPE II, CLASS I

USED ON MODEL AGUSTA AW139

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

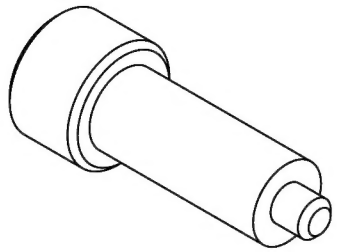
SCALE 1:4 DATE 11/15/2010 SHEET 2 OF 8

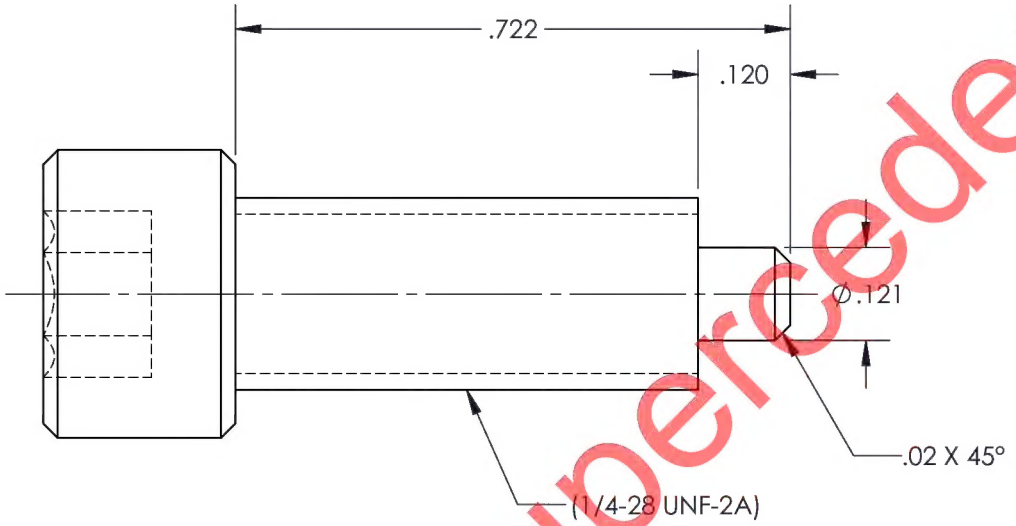
(-1)

HUB

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3		**-3** ADDED FINISH CAD PLATE YELLOW.	6/10/2014	DPD	GE





Superceded

UNDER REVIEW

URF 19-580 19.02.13 (SAD)

-3

SOCKET HEAD CAP SCREW

DART AEROSPACE

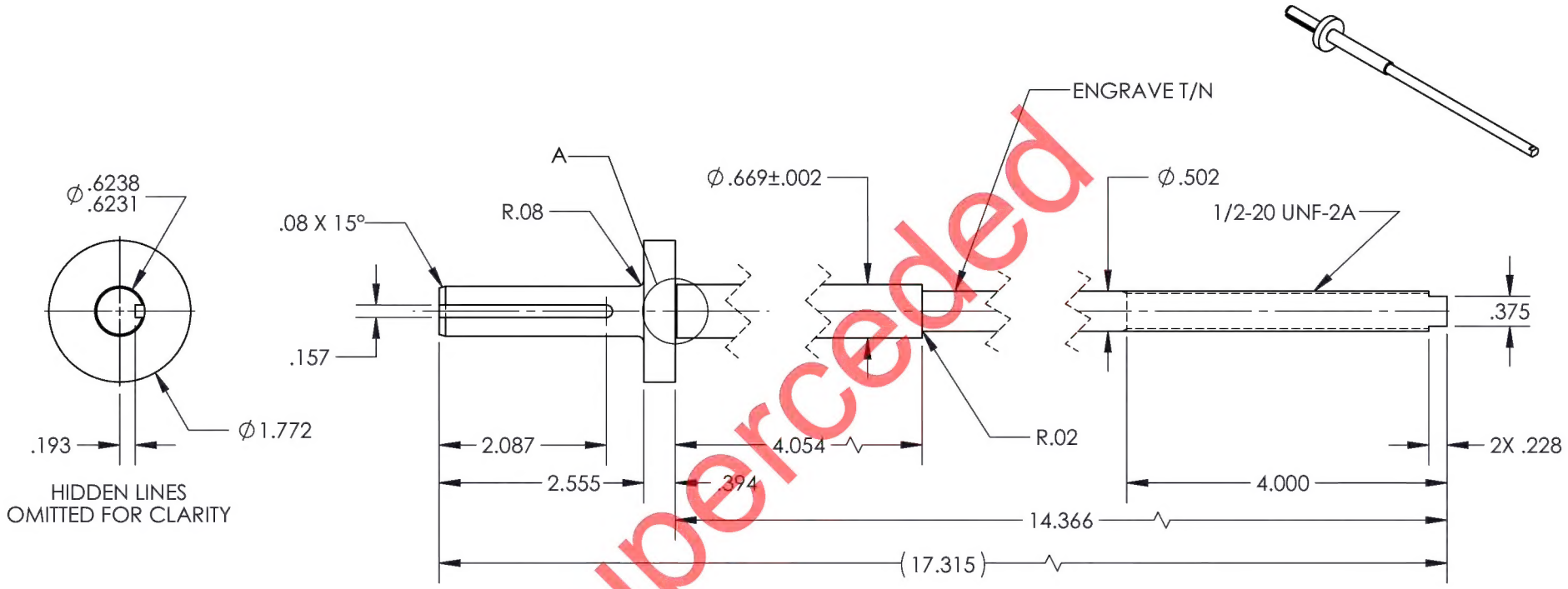
TITLE	T/R DUPLEX BEARING INSTL.
DWG NO.	RBW6405G04132-3G-3
REV	4
MAT'L	STEEL
DRAWN BY:	CLOUGH
APPROVED	D Weil
HEAT TREAT	
FINISH	CAD PLATE YELLOW
SPEC	QQ-P-416, TYPE II, CLASS II
USED ON MODEL	AGUSTA AW139
SCALE	4:1
DATE	11/15/2010
SHEET	3 OF 8

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

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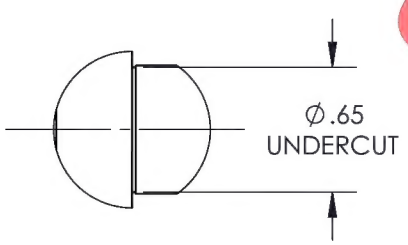
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D MATERIAL -5 FROM 4140 TO 4140 Q&T. CH'D -5 ROD DIAMETER FROM Ø.630 TO Ø.625 +.000 -.001 & ADDED MISSING DIAMETER.	1/19/2011	RJC	RW
2		ADDED ±.002 TOLERANCE TO Ø.669 -5 PER G.E.	5/25/2011	RJC	RW
4	15-0363	**-5** CH'D DIMS WAS Ø.625 +.000 -.001 IS Ø.6231-.6238, WAS .228 IS 2X .228, WAS 17.315 IS (17.315). CH'D ENGRAVE NOTE WAS ENGRAVE "RBW6405G04652-3G ASSY G04132-3G" IS ENGRAVE T/N.	11/20/2015	DPD	JAG



Superceded

UNDER REVIEW

URF 19-580 19.02.13 (SAD)



DETAIL A
SCALE 1 : 1

(-5)

ROD

DART AEROSPACE

TITLE: T/R DUPLEX BEARING INSTL.

DWG NO. RBW6405G04132-3G-5 REV 4

MAT'L 4140 Q&T/4142 Q&T

DRAWN BY: CLOUGH

APPROVED D Weil

HEAT TREAT

FINISH CAD PLATE YELLOW

SPEC QQ-P-416, TYPE II, CLASS II

USED ON MODEL: AGUSTA AW139

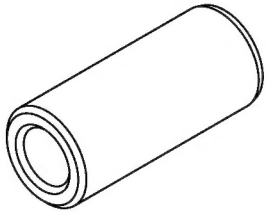
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005
.XX ± .01
.X ± .1
FRACTIONS ± 1/8
ANGLES ±.5°

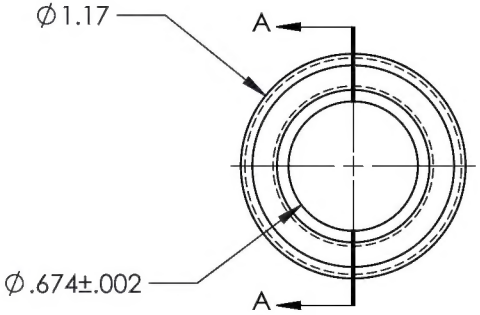
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

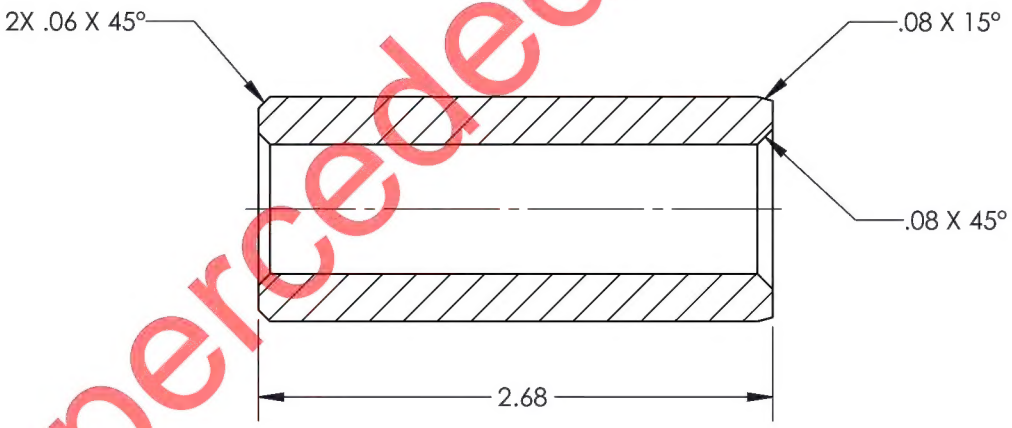
SCALE 1:2 | DATE 11/15/2010 | SHEET 4 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		ADDED ±.002 TOLERANCE TO Ø.674 PER G.E.	5/25/2011	RJC	RW







SECTION A-A

Superceded

UNDER REVIEW

URF 19-580 19.02.13 (SAD)

-7

SLIDER

DART AEROSPACE

TITLE	T/R DUPLEX BEARING INSTL.
DWG NO.	RBW6405G04132-3G-7
REV	4
MAT'L	4140 Q&T/4142 Q&T
DRAWN BY:	CLOUGH
APPROVED	D Weil
HEAT TREAT	
FINISH	CAD PLATE YELLOW
SPEC	QQ-P-416, TYPE II, CLASS II
USED ON MODEL	AGUSTA AW139
SCALE	1:1
DATE	11/15/2010
SHEET	5 OF 8

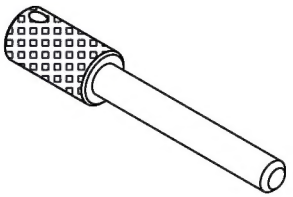
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005
.XX ± .01
.X ± .1
FRACTIONS ± 1/8
ANGLES ±.5°

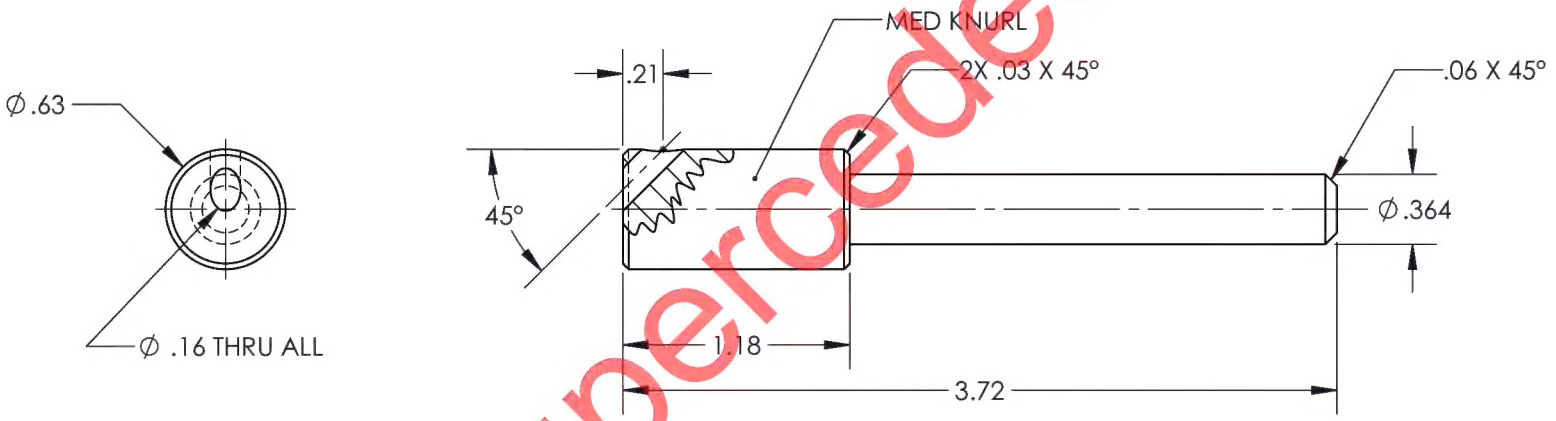
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

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REVISIONS

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D MATERIAL -9 FROM 4140 TO 4140 Q&T G&P	1/19/2011	RJC	RW
3		**-9** CH'D DIM WAS Ø.625 IS (Ø.625).	6/10/2014	DPD	GE
4	15-0363	**-9** CH'D DIM WAS (Ø.625) IS Ø.63. CH'D MAT'L WAS 4140 Q&T G&P IS 4140 Q&T/4142 Q&T.	11/20/2015	DPD	JAG





Superceded

UNDER REVIEW

URF 19-580 19.02.13 (SAD)

-9

PIN

DART AEROSPACE

TITLE: T/R DUPLEX BEARING INSTL.

DWG NO. RBW6405G04132-3G-9 REV 4

MAT'L 4140 Q&T/4140 Q&T

DRAWN BY: CLOUGH

APPROVED: D Weil

HEAT TREAT

FINISH: CAD PLATE YELLOW

SPEC: QQ-P-416, TYPE II, CLASS II

USED ON MODEL: AGUSTA AW139

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1

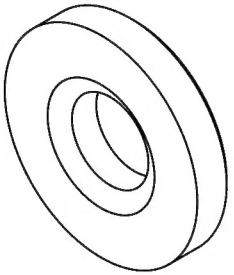
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

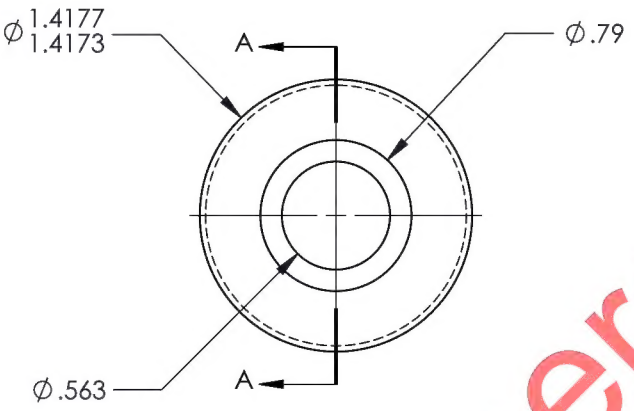
SCALE 1:1 DATE 11/15/2010 SHEET 6 OF 8

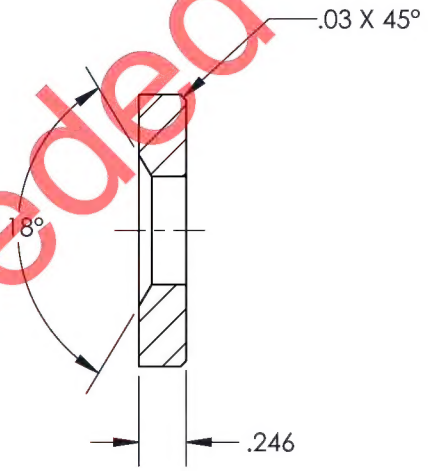
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REVISIONS

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -11 Ø1.417 O.D. TO Ø1.417 +.0005 -.0000.	1/19/2011	RJC	RW
4	15-0363	**-11** CH'D DIM WAS Ø1.4170 +.0005 -.0000 IS Ø1.4173-1.4177.	11/23/2015	DPD	JAG







SECTION A-A

Superceded

UNDER REVIEW

URF 19-580 19.02.13 (SAD)

(-11)

INSERT

DART AEROSPACE

TITLE: T/R DUPLEX BEARING INSTL.

DWG NO. RBW6405G04132-3G-11 REV 4

MAT'L 4140/4142

DRAWN BY: CLOUGH

APPROVED: D Weil

HEAT TREAT: RC 40-45

FINISH: BLACK OXIDE

SPEC:

USED ON MODEL: AGUSTA AW139

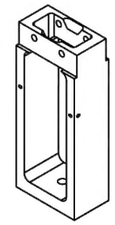
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005
.XX ± .01
.X ± .1
FRACTIONS ± 1/8
ANGLES ±.5°

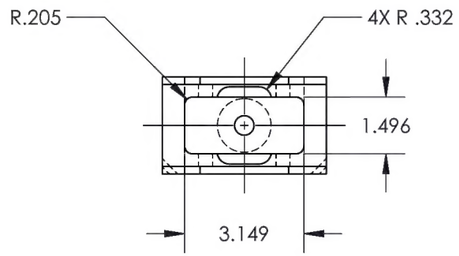
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

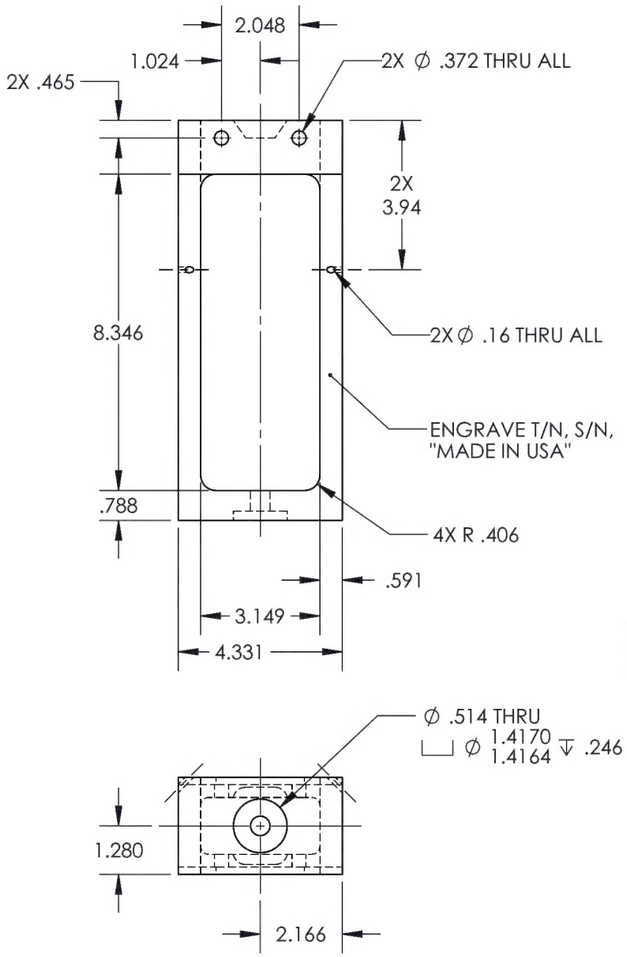
SCALE 1:1 | DATE 11/15/2010 | SHEET 7 OF 8

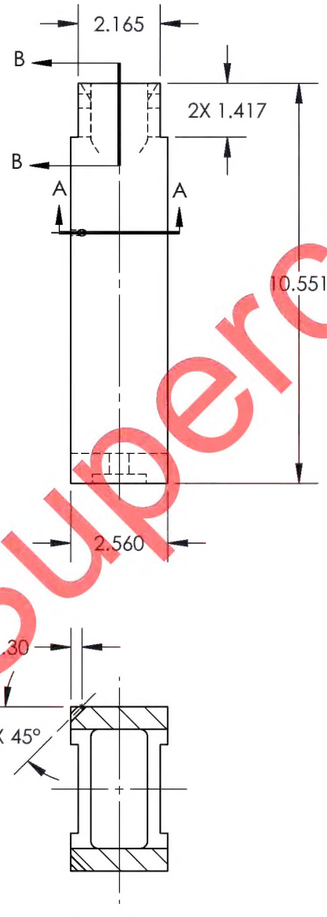
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		ADDED SECTION B-B TO DETAIL A & CH'D 3.150 DIMENSION TO 3.149 PER G.E.	1/19/2011	RJC	RW
3		**-13** CH'D DIMS WAS .483 IS .778, WAS 1.437 IS 1.426.	6/10/2014	DPD	GE
4	15-0363	**-13** REVISED DETAIL VIEWS. CH'D DIMS WAS 2X 1.024 IS 1.024, WAS (2X .591) IS .591, WAS .778 IS 2X .778, WAS 1.426 IS 2X 1.426, WAS .064 IS 2X .064, WAS 30° IS 2X 30°, WAS .461 IS 2X .461, WAS Ø.514 THRU ⌴ Ø1.417 +.0000 -.0005 ↧.246 IS Ø.514 THRU ⌴ Ø1.4164-1.4170 ↧.246. DELETED DIM 30°.	11/23/2015	DPD	JAG

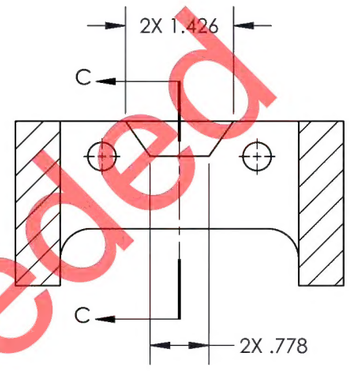




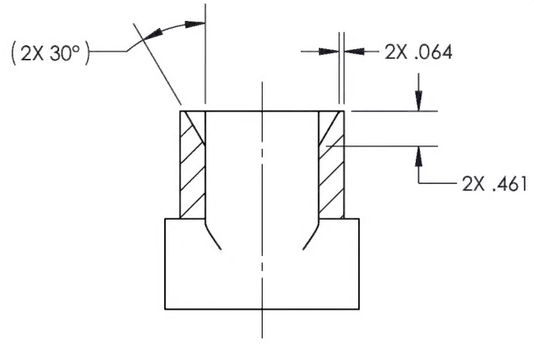




SECTION A-A



SECTION B-B
SCALE 1 : 2



SECTION C-C
SCALE 1 : 2

(-13)

FRAME

Superceded

UNDER REVIEW

URF 19-580 19.02.13 (SAD)

DART AEROSPACE

TITLE: T/R DUPLEX BEARING INSTL.

DWG NO. RBW6405G04132-3G-13 REV 4

MAT'L 6061

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

DRAWN BY: CLOUGH
APPROVED D. Weil
HEAT TREAT
FINISH CLEAR ANODIZE
SPEC MIL-A-8625, TYPE II, CLASS I
USED ON MODEL AGUSTA AW139

SCALE 1:4 DATE 11/15/2010 SHEET 8 OF 8